

U.S. ENVIRONMENTAL PROTECTION AGENCY

REGION X

IDAHO OPERATIONS OFFICE
422 WEST WASHINGTON STREET
BOISE, IDAHO 83702



July 22, 1988

Chris James, General Manager
Cyprus Thompson Creek Mine
P.O. Box 62
Clayton, Idaho - 83227

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WATER COMPLIANCE SECTION
EPA - REGION 10

RE: NPDES Compliance Inspection
Permit No. ID-002540-2

Dear Mr. James:

Attached for your information are the results of an NPDES compliance inspection conducted at the Cyprus Thompson Creek Mine on May 25, 1988. Sample results verify compliance with current permit requirements.

The assistance of Mr. Doughty during the inspection was appreciated.

Sincerely,

Wally Scarburgh
Idaho Permits Coordinator

Enclosure

cc: Bob Braun, IDHW-DEQ, Boise
Greg Kellogg, WD-135

BN0910B



United States Environmental Protection Agency
Washington, D.C. 20460

NPDES Compliance Inspection Report

Form Approved
OMB No. 2000-0003
Approval Expires 7-31-85

Section A: National Data System Coding

Transaction Code 1W 25 NPDES 3200025402 yr/mo/day 12/8/80 Inspection Type 185 Inspector 19E Fac Type 202

Remarks

Reserved Facility Evaluation Rating BI OA Reserved
67 69 70 71 72 73 74 75 80

Section B: Facility Data

Name and Location of Facility Inspected

*Cyprus Mining Co. - Thompson Creek
P.O. Box 62
Clayton, Id. 83227*

Entry Time ☐ AM ☐ PM

Permit Effective Date

Exit Time/Date

Permit Expiration Date

Name(s) of On-Site Representative(s)

Title(s)

Phone No(s)

Bert Douglas
Name, Address of Responsible Official

Supervisor Environmental Affairs 838-2200
Title

Chris James
P.O. Box 62
Clayton, Id. 83227

General Manager
Phone No. *838-2200*

Contacted
☐ Yes ☒ No

Section C: Areas Evaluated During Inspection

(S = Satisfactory, M = Marginal, U = Unsatisfactory, N = Not Evaluated)

<input checked="" type="checkbox"/> Permit	<input checked="" type="checkbox"/> Flow Measurement	<input checked="" type="checkbox"/> Pretreatment	<input checked="" type="checkbox"/> Operations & Maintenance
<input checked="" type="checkbox"/> Records/Reports	<input checked="" type="checkbox"/> Laboratory	<input checked="" type="checkbox"/> Compliance Schedules	<input checked="" type="checkbox"/> Sludge Disposal
<input checked="" type="checkbox"/> Facility Site Review	<input checked="" type="checkbox"/> Effluent/Receiving Waters	<input checked="" type="checkbox"/> Self-Monitoring Program	<input checked="" type="checkbox"/> Other:

Section D: Summary of Findings/Comments (Attach additional sheets if necessary)

See Attachment

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Name(s) and Signature(s) of Inspector(s)

Agency/Office/Telephone

Date

Dann M. [Signature]

EPA/DO/554-1450

5/25/88

Signature of Reviewer

Agency/Office

Date

Regulatory Office Use Only

Action Taken

Date

Compliance Status

☐ Noncompliance
☐ Compliance

Records, Reports, and Schedules Checklist

A. Permit Verification

<input checked="" type="radio"/> YES <input type="radio"/> NO <input type="radio"/> N/A	INSPECTION OBSERVATIONS VERIFY INFORMATION CONTAINED IN PERMIT
<input checked="" type="radio"/> YES <input type="radio"/> NO <input type="radio"/> N/A	1. Correct name and mailing address of permittee.
<input checked="" type="radio"/> YES <input type="radio"/> NO <input type="radio"/> N/A	2. Facility is as described in permit.
<input checked="" type="radio"/> YES <input type="radio"/> NO <input type="radio"/> N/A	3. Notification has been given to EPA/State of new, different, increased discharges.
<input checked="" type="radio"/> YES <input type="radio"/> NO <input type="radio"/> N/A	4. Accurate records of influent volume are maintained, when appropriate.
<input checked="" type="radio"/> YES <input type="radio"/> NO <input type="radio"/> N/A	5. Number and location of discharge points are as described in the permit.
<input checked="" type="radio"/> YES <input type="radio"/> NO <input type="radio"/> N/A	6. Name and location of receiving waters are correct.
<input checked="" type="radio"/> YES <input type="radio"/> NO <input type="radio"/> N/A	7. All discharges are permitted.

B. Recordkeeping and Reporting Evaluation

<input checked="" type="radio"/> YES <input type="radio"/> NO <input type="radio"/> N/A	RECORDS AND REPORTS ARE MAINTAINED AS REQUIRED BY PERMIT
<input checked="" type="radio"/> YES <input type="radio"/> NO <input type="radio"/> N/A	1. All required information is available, complete, and current; and
<input checked="" type="radio"/> YES <input type="radio"/> NO <input type="radio"/> N/A	2. Information is maintained for required period.
<input checked="" type="radio"/> YES <input type="radio"/> NO <input type="radio"/> N/A	3. Analytical results are consistent with the data reported on the DMR's.
<input checked="" type="radio"/> YES <input type="radio"/> NO <input type="radio"/> N/A	4. Sampling and Analysis Data are adequate and include:
<input checked="" type="radio"/> YES <input type="radio"/> NO <input type="radio"/> N/A	a. Dates, times, location of sampling
<input checked="" type="radio"/> YES <input type="radio"/> NO <input type="radio"/> N/A	b. Name of individual performing sampling
<input checked="" type="radio"/> YES <input type="radio"/> NO <input type="radio"/> N/A	c. Analytical methods and techniques
<input checked="" type="radio"/> YES <input type="radio"/> NO <input type="radio"/> N/A	d. Results of analysis
<input checked="" type="radio"/> YES <input type="radio"/> NO <input type="radio"/> N/A	e. Dates of analysis
<input checked="" type="radio"/> YES <input type="radio"/> NO <input type="radio"/> N/A	f. Name of person performing analysis
<input checked="" type="radio"/> YES <input type="radio"/> NO <input type="radio"/> N/A	g. Instantaneous flow at grab sample stations
<input checked="" type="radio"/> YES <input type="radio"/> NO <input type="radio"/> N/A	5. Monitoring records are adequate and include
<input checked="" type="radio"/> YES <input type="radio"/> NO <input type="radio"/> N/A	a. Flow, pH, D.O., etc. as required by permit
<input checked="" type="radio"/> YES <input type="radio"/> NO <input type="radio"/> N/A	b. Monitoring charts
<input checked="" type="radio"/> YES <input type="radio"/> NO <input type="radio"/> N/A	6. Laboratory equipment calibration and maintenance records are adequate.
<input checked="" type="radio"/> YES <input type="radio"/> NO <input type="radio"/> N/A	7. Plant Records are adequate* and include
<input checked="" type="radio"/> YES <input type="radio"/> NO <input type="radio"/> N/A	a. O&M Manual
<input checked="" type="radio"/> YES <input type="radio"/> NO <input type="radio"/> N/A	b. "As-built" engineering drawings
<input checked="" type="radio"/> YES <input type="radio"/> NO <input type="radio"/> N/A	c. Schedules and dates of equipment maintenance and repairs
<input checked="" type="radio"/> YES <input type="radio"/> NO <input type="radio"/> N/A	d. Equipment supplies manual
<input checked="" type="radio"/> YES <input type="radio"/> NO <input type="radio"/> N/A	e. Equipment data cards
	*Required only for facilities built with Federal construction grant funds.

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Records, Reports, and Schedules Checklist

Yes No N/A Yes No N/A Yes No N/A Yes No N/A	8. Pretreatment records are adequate and include: a. Industrial Waste Ordinance (or equivalent documents) b. Inventory of industrial waste contributors, including: 1. Compliance records 2. User charge information
Yes No N/A	9. SPOC properly completed, when required.
Yes No N/A	10. Best Management Practices Program available, when required.

C. Compliance Schedule Status Review

YES NO N/A	THE PERMITTEE IS MEETING THE COMPLIANCE SCHEDULE
Yes No N/A	1. The permittee has obtained necessary approvals to begin construction.
Yes No N/A	2. Financing arrangements are complete.
Yes No N/A	3. Contracts for engineering services have been executed.
Yes No N/A	4. Design plans and specifications have been completed.
Yes No N/A	5. Construction has begun.
Yes No N/A	6. Construction is on schedule.
Yes No N/A	7. Equipment acquisition is on schedule.
Yes No N/A	8. Construction has been completed.
Yes No N/A	9. Start-up has begun.
Yes No N/A	10. The permittee has requested an extension of time.
Yes No N/A	11. The permittee has met compliance schedule.

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Records, Reports, and Schedules Checklist

D. POTW Pretreatment Requirements Review

YES NO <u>N/A</u>	THE FACILITY IS SUBJECT TO PRETREATMENT REQUIREMENTS
	1. Status of POTW Pretreatment Program
Yes No N/A	a. The POTW Pretreatment Program has been approved by EPA. (If not, is approval in progress? _____)
Yes No N/A	b. The POTW is in compliance with the Pretreatment Program Compliance Schedule. (If not, note why, what is due, and intent of the POTW to remedy)
Yes No N/A	2. Status of Compliance with Categorical Pretreatment Standards.
Yes No N/A	a. How many industrial users of the POTW are subject to Federal or State Pretreatment Standards? _____
Yes No N/A	b. Are these industries aware of their responsibility to comply with applicable standards?
Yes No N/A	c. Have baseline monitoring reports (403.12) been submitted for these industries?
Yes No N/A	i. Have categorical industries in noncompliance (on BMR reports) submitted compliance schedules?
Yes No N/A	ii. How many categorical industries on compliance schedules are meeting the schedule deadlines? _____
Yes No N/A	d. If the compliance deadline has passed, have all industries submitted 90 day compliance reports?
Yes No N/A	e. Are all categorical industries submitting the required semiannual report?
Yes No N/A	f. Are all new industrial discharges in compliance with new source pretreatment standards?
Yes No N/A	g. Has the POTW submitted its annual pretreatment report?
Yes No N/A	h. Has the POTW taken enforcement action against noncomplying industrial users?
Yes No N/A	i. Is the POTW conducting inspections of industrial contributors?
Yes No N/A	3. Are the industrial users subject to Prohibited Limits (403.5) and local limits more stringent than EPA in compliance? (If not, explain why, including need for revision of limits.)

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Facility Site Review Checklist

<input checked="" type="radio"/> Yes <input type="radio"/> No <input type="radio"/> N/A	1. Standby power or other equivalent provision is provided.
<input checked="" type="radio"/> Yes <input type="radio"/> No <input type="radio"/> N/A	2. Adequate alarm system for power or equipment failures is available.
<input checked="" type="radio"/> Yes <input type="radio"/> No <input type="radio"/> N/A	3. POTW handles and disposes of sludge according to applicable Federal, State, and local regulations.
<input checked="" type="radio"/> Yes <input type="radio"/> No <input type="radio"/> N/A	4. All treatment units, other than back-up units, are in service.
<input checked="" type="radio"/> Yes <input type="radio"/> No <input type="radio"/> N/A	5. Procedures for facility operation and maintenance exist.
<input checked="" type="radio"/> Yes <input type="radio"/> No <input type="radio"/> N/A	6. Organization plan (chart) for operation and maintenance is provided.
<input checked="" type="radio"/> Yes <input type="radio"/> No <input type="radio"/> N/A	7. Operating schedules are established.
<input checked="" type="radio"/> Yes <input type="radio"/> No <input type="radio"/> N/A	8. Emergency plan for treatment control is established.
<input checked="" type="radio"/> Yes <input type="radio"/> No <input type="radio"/> N/A	9. Operating management control documents are current and include:
<input checked="" type="radio"/> Yes <input type="radio"/> No <input type="radio"/> N/A	a. Operating report
<input checked="" type="radio"/> Yes <input type="radio"/> No <input type="radio"/> N/A	b. Work schedule
<input checked="" type="radio"/> Yes <input type="radio"/> No <input type="radio"/> N/A	c. Activity report (time cards)
<input checked="" type="radio"/> Yes <input type="radio"/> No <input type="radio"/> N/A	10. Maintenance record system exists and includes:
<input checked="" type="radio"/> Yes <input type="radio"/> No <input type="radio"/> N/A	a. As-built drawings
<input checked="" type="radio"/> Yes <input type="radio"/> No <input type="radio"/> N/A	b. Shop drawings
<input checked="" type="radio"/> Yes <input type="radio"/> No <input type="radio"/> N/A	c. Construction specifications
<input checked="" type="radio"/> Yes <input type="radio"/> No <input type="radio"/> N/A	d. Maintenance history
<input checked="" type="radio"/> Yes <input type="radio"/> No <input type="radio"/> N/A	e. Maintenance costs
<input checked="" type="radio"/> Yes <input type="radio"/> No <input type="radio"/> N/A	11. Adequate number of qualified operators are on-hand.
<input checked="" type="radio"/> Yes <input type="radio"/> No <input type="radio"/> N/A	12. Established procedures are available for training new operators.
<input checked="" type="radio"/> Yes <input type="radio"/> No <input type="radio"/> N/A	13. Adequate spare parts and supplies inventory and major equipment specifications are maintained.
<input checked="" type="radio"/> Yes <input type="radio"/> No <input type="radio"/> N/A	14. Instruction files are kept for operation and maintenance of each item of major equipment.
<input checked="" type="radio"/> Yes <input type="radio"/> No <input type="radio"/> N/A	15. Operation and maintenance manual is available.
<input checked="" type="radio"/> Yes <input type="radio"/> No <input type="radio"/> N/A	16. Regulatory agency was notified of by-passing. (Dates _____)

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Facility Site Review Checklist

<input checked="" type="radio"/> Yes <input type="radio"/> No <input type="radio"/> N/A	17. Hydraulic and/or organic overloads are experienced. Reasons for overloads _____ _____ _____ _____
<input checked="" type="radio"/> Yes <input type="radio"/> No <input type="radio"/> N/A	18. Up-to-date equipment repair records are maintained.
<input checked="" type="radio"/> Yes <input type="radio"/> No <input type="radio"/> N/A	19. Dated tags show out of service equipment.
<input checked="" type="radio"/> Yes <input type="radio"/> No <input type="radio"/> N/A	20. Routine and preventive maintenance are scheduled/performed on time.

Permittee Sampling Inspection Checklist

A. Permittee Sampling Evaluation

<input checked="" type="radio"/> Yes <input type="radio"/> No <input type="radio"/> N/A	1. Samples are taken at sites specified in permit.
<input checked="" type="radio"/> Yes <input type="radio"/> No <input type="radio"/> N/A	2. Locations are adequate for representative samples.
Yes <input type="radio"/> No <input checked="" type="radio"/> N/A	3. Flow proportioned samples are obtained where required by permit.
<input checked="" type="radio"/> Yes <input type="radio"/> No <input type="radio"/> N/A	4. Sampling and analysis completed on parameters specified by permit.
<input checked="" type="radio"/> Yes <input type="radio"/> No <input type="radio"/> N/A	5. Sampling and analysis done in frequency specified by permit.
<input checked="" type="radio"/> Yes <input type="radio"/> No <input type="radio"/> N/A	6. Permittee is using method of sample collection required by permit. Required Method: <u>Grab</u> If not, method being used is: () Grab () Manual composite () () Automatic composite
<input checked="" type="radio"/> Yes <input type="radio"/> No <input type="radio"/> N/A	7. Sample collection procedures are adequate: a. Samples refrigerated during compositing
<input checked="" type="radio"/> Yes <input type="radio"/> No <input type="radio"/> N/A	b. Proper <u>techniques</u> used Containers and sample holding times before analyses conform with 40 CFR 136.3
Yes <input type="radio"/> No <input checked="" type="radio"/> N/A	8. Monitoring and analyses are performed more often than required by permit. If so, results reported in permittee's self-monitoring report.

B Sampling Inspection Procedures and Observations

<input checked="" type="radio"/> Yes <input type="radio"/> No <input type="radio"/> N/A	1. Grab samples obtained.
Yes <input type="radio"/> No <input checked="" type="radio"/> N/A	2. Composite sample obtained Compositing frequency _____ Preservation _____
Yes <input type="radio"/> No <input checked="" type="radio"/> N/A	3. Sample refrigerated during compositing.
Yes <input type="radio"/> No <input checked="" type="radio"/> N/A	4. Flow proportioned sample obtained.
Yes <input type="radio"/> No <input checked="" type="radio"/> N/A	5. Sample obtained from facility sampling device.
<input checked="" type="radio"/> Yes <input type="radio"/> No <input type="radio"/> N/A	6. Sample representative of volume and nature of discharge.
Yes <input type="radio"/> No <input checked="" type="radio"/> N/A	7. Sample split with permittee.
<input checked="" type="radio"/> Yes <input type="radio"/> No <input type="radio"/> N/A	8. Chain of custody procedures employed.

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A. Flow Measurement Inspection Checklist - General

Yes	No	N/A	
<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	1. Primary flow measuring device is properly installed and maintained.
<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	2. Flow records are properly kept.
<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	3. Sharp drops or increases in flow values are accounted for.
<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	4. Actual flow discharged is measured.
<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	5. Influent flow is measured before all return lines.
<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	6. Effluent flow is measured after all return lines.
<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	7. Secondary instruments (totalizers, recorders, etc.) are properly operated and maintained.
<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	8. Spare parts are stocked.

B. Flow Measurement Inspection Checklist - Flumes

Yes	No	N/A	
<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	1. Flow entering flume appears reasonably well distributed across the channel and free of turbulence, boils, or other distortions.
<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	2. Cross-sectional velocities at entrance are relatively uniform.
<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	3. Flume is clean and free of debris or deposits.
<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	4. All dimensions of flume are accurate.
<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	5. Side walls of flume are vertical and smooth.
<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	6. Sides of flume throat are vertical and parallel.
<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	7. Flume head is being measured at proper location.
<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	8. Measurement of flume head is zeroed to flume crest.
<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	9. Flume is of proper size to measure range of existing flow.
<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	10. Flume is operating under free-flow conditions over existing range of flows.

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C. Flow Measurement Inspection Checklist - Weirs

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1-notch

Yes	No	N/A
Yes	No	N/A
Yes	No	N/A
Yes	No	N/A
Yes	No	N/A
Yes	No	N/A
Yes	No	N/A

1. What type of weir is being used?
2. The weir is exactly level.
3. The weir plate is plumb and its top edges are sharp and clean.
4. There is free access for air below the nappe of the weir.
5. Upstream channel of weir is straight for at least four times the depth of water level, and free from disturbing influences.
6. The stilling basin of the weir is of sufficient size and clear of debris.
7. Head measurements are properly made by facility personnel.
8. Proper flow tables are used by facility personnel.

D. Flow Measurement Inspection Checklist - Other Flow Devices

Yes	No	N/A
Yes	No	N/A
Yes	No	N/A
Yes	No	N/A

1. Type of flowmeter used: _____
2. What are the most common problems that the operator has had with the flowmeter?

3. Measured Wastewater flow: _____ mgd; Recorded flow: _____ mgd; Error _____ %
4. Design flow: _____ mgd.
5. Flow totalizer is properly calibrated.
6. Frequency of routine inspection by proper operator: _____ /day.
7. Frequency of maintenance inspections by plant personnel: _____ /year.
8. Frequency of flowmeter calibration: _____ /month.
9. Flow measurement equipment adequate to handle expected ranges of flow rates.
10. Venturi meter is properly installed and calibrated.
11. Electromagnetic flowmeter is properly calibrated.

Laboratory Quality Assurance Checklist

A. General

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☒ No N/A

1. Written laboratory quality assurance manual is available.

B. Laboratory Procedures

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☒ Yes No N/A

1. EPA approved analytical testing procedures are used.

☒ Yes No N/A

2. If alternate analytical procedures are used, proper approval has been obtained.

☒ Yes No N/A

3. Calibration and maintenance of instruments and equipment is satisfactory.

☒ Yes No N/A

4. Quality control procedures are used.

☒ Yes No N/A

5. Quality control procedures are adequate.

6. Duplicate samples are analyzed ____ % of time.

7. Spiked samples are used ____ % of time.

☒ Yes No N/A

8. Commercial laboratory is used Name Analytical Laboratories

Address _____

Contact _____

Phone _____

C. Laboratory Facilities and Equipment

☐ Yes No N/A

1. Proper grade distilled water is available for specific analysis.

☐ Yes No N/A

2. Dry, uncontaminated compressed air is available.

☐ Yes No N/A

3. Fume hood has enough ventilation capacity.

☐ Yes No N/A

4. The laboratory has sufficient lighting.

☐ Yes No N/A

5. Adequate electrical sources are available.

☐ Yes No N/A

6. Instruments/equipment are in good condition.

☐ Yes No N/A

7. Written requirements for daily operation of instruments are available.

C. Laboratory Facilities and Equipment (continued)

Yes No N/A	8. Standards are available to perform daily check procedure.
Yes No N/A	9. Written trouble shooting procedures for instruments are available.
Yes No N/A	10. Schedule for required maintenance exists.
Yes No N/A	11. Proper volumetric glassware is used.
Yes No N/A	12. Glassware is properly cleaned.
Yes No N/A	13. Standard reagents and solvents are properly stored.
Yes No N/A	14. Working standards are frequently checked.
Yes No N/A	15. Standards are discarded after recommended shelf life has expired.
Yes No N/A	16. Background reagents and solvents run with every series of samples.
Yes No N/A	17. Written procedures exist for cleanup, hazard response methods, and applications of correction methods for reagents and solvents.
Yes No N/A	18. Gas cylinders are replaced at 100-200 psi.

D. Laboratory's Precision, Accuracy, and Control Procedures

Yes No N/A	1. A minimum of seven replicates is analyzed for each type of control check and this information is on record.
Yes No N/A	2. Plotted precision and accuracy control charts are used to determine whether valid, questionable, or invalid data are being generated from day to day.
Yes No N/A	3. Control samples are introduced into the train of actual samples to ensure that valid data are being generated.
Yes No N/A	4. The precision and accuracy of the analyses are good.

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Laboratory Quality Assurance Checklist (Continued)

E. Data Handling and Reporting

Yes No N/A	1. Round-off rules are uniformly applied.
Yes No N/A	2. Significant figures are established for each analysis
Yes No N/A	3. Provision for cross-checking calculation is used
Yes No N/A	4. Correct formulas are used to reduce to simplest factors for quick, correct calculation
Yes No N/A	5. Control chart approach and statistical calculations for quality assurance and report are available and followed
Yes No N/A	6. Report forms have been developed to provide complete data documentation and permanent records and to facilitate data processing
Yes No N/A	7. Data are reported in proper form and units
Yes No N/A	8. Laboratory records are kept readily available to regulatory agency for required period of time
Yes No N/A	9. Laboratory notebook or preprinted data forms are permanently bound to provide good documentation
Yes No N/A	10. Efficient filing system exists enabling prompt channeling of report copies

F. Laboratory Personnel

Yes No N/A	1. The analyst has appropriate training
Yes No N/A	2. The analyst follows the specified procedures
Yes No N/A	3. The analyst is skilled in performing analyses

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	SAMPLE MEASUREMENT				001
	PERMIT REQUIREMENT				
TSS mg/l	SAMPLE MEASUREMENT			6	
	PERMIT REQUIREMENT			30	
T. Rec. As mg/l	SAMPLE MEASUREMENT			6.010	
	PERMIT REQUIREMENT			.49	
T. Rec. Cd mg/l	SAMPLE MEASUREMENT			6.001	
	PERMIT REQUIREMENT			.0053	
T. Rec. Cu mg/l	SAMPLE MEASUREMENT			6.010	
	PERMIT REQUIREMENT			.0245	
T. Rec. Pb mg/l	SAMPLE MEASUREMENT			6.003	
	PERMIT REQUIREMENT			.0150	
T. Rec. Hg mg/l	SAMPLE MEASUREMENT			6.0005 6.0005	
	PERMIT REQUIREMENT			non-d.t.	
T. Rec. Zn mg/l	SAMPLE MEASUREMENT			.027	
	PERMIT REQUIREMENT			.163	
	SAMPLE MEASUREMENT				
	PERMIT REQUIREMENT				

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OUTFALL NO.	OIL SHEEN	GREASE	TURBIDITY	VISIBLE FOAM	VISIBLE FLOAT SOL	COLOR	OTHER
001	none	none	none	none	none	none	none

(Sections M and N: Complete as appropriate for sampling inspections)

SECTION M - Sampling Inspection Procedures and Observations (Further explanation attached _____)

- ☒ GRAB SAMPLES OBTAINED
☐ COMPOSITE OBTAINED
☐ FLOW PROPORTIONED SAMPLE
☐ AUTOMATIC SAMPLER USED
☐ SAMPLE SPLIT WITH PERMITTEE
☒ CHAIN OF CUSTODY EMPLOYED
☐ SAMPLE OBTAINED FROM FACILITY SAMPLING DEVICE

COMPOSITING FREQUENCY _____ PRESERVATION _____

SAMPLE REFRIGERATED DURING COMPOSITING: ☐ YES ☐ NO

SAMPLE REPRESENTATIVE OF VOLUME AND NATURE OF DISCHARGE yes

	SAMPLE MEASUREMENT				002
	PERMIT REQUIREMENT				
	SAMPLE MEASUREMENT			22	
TSS	PERMIT REQUIREMENT			30	
T. Rec.	SAMPLE MEASUREMENT			6.010	
As	PERMIT REQUIREMENT			.49	
mg/l					
T. Rec.	SAMPLE MEASUREMENT			6.001	
cd.	PERMIT REQUIREMENT			.0053	
mg/l					
T. Rec.	SAMPLE MEASUREMENT			6.010	
Cu	PERMIT REQUIREMENT			.0245	
mg/l					
T. Rec.	SAMPLE MEASUREMENT			6.003	
Pb.	PERMIT REQUIREMENT			.0150	
mg/l					
T. Rec.	SAMPLE MEASUREMENT			6.0005	
Hg.	PERMIT REQUIREMENT			6.0005	
mg/l				non-det.	
T. Rec.	SAMPLE MEASUREMENT			.014	
Zn.	PERMIT REQUIREMENT			.163	
mg/l					
	SAMPLE MEASUREMENT				
	PERMIT REQUIREMENT				

OUTFALL NO.	OIL SHEEN	GREASE	TURBIDITY	VISIBLE FOAM	VISIBLE FLOAT SOL	COLOR	OTHER
002	none	none	none	none	none	none	none

(Sections M and N: Complete as appropriate for sampling inspections)

SECTION M - Sampling Inspection Procedures and Observations (Further explanation attached _____)

- ☒ GRAB SAMPLES OBTAINED
- ☐ COMPOSITE OBTAINED
- ☐ FLOW PROPORTIONED SAMPLE
- ☐ AUTOMATIC SAMPLER USED
- ☐ SAMPLE SPLIT WITH PERMITTEE
- ☒ CHAIN OF CUSTODY EMPLOYED
- ☐ SAMPLE OBTAINED FROM FACILITY SAMPLING DEVICE

COMPOSITING FREQUENCY _____ PRESERVATION _____

SAMPLE REFRIGERATED DURING COMPOSITING: ☐ YES ☐ NO

SAMPLE REPRESENTATIVE OF VOLUME AND NATURE OF DISCHARGE yes.

RECEIVED

JUL 25 1988

WATER COMPLIANCE SECTION
EPA - REGION 10